CERES DMT to DAAC Production Requests

CERES Data Processing Policy: A Data Month must be processed with a unique Software Code. If an emergency Software Code Fix must be made in the middle of a processing month, all days previously processed must be reprocessed to maintain consistency of the data. (Note: Shaded boxes are complete. A Change bar (|) is used, on left side of document, to indicate changes since the last update) All CERES Processing Requests should be referenced as: CER-PR'Table#-Item#', example: CER-PR3-3-99 is Item 3 from Table 3, year 1999.

Table 1: Satellite: All

Item	Start Date/ Priority	Processing Request	Description	DAAC Verification
20	11/18/99	Promote CERESlib (version 19991104) into Production	Accumulation of the following SCCRs: 170, 172, 173, 176, 177, 178 Impact : SS: 12, 4, 4.4, - 4.6, 5, PMOA, 7.2, 9 (sccr 179)	done 11/18/99
19	8/17/99	1. STOP Production processing in Table 3 at the end of Datadate 2/28/98, see items: CER-PR3-17-99 thru CER-PR3-41-99. 2. Promote TK5.2.5 into Production. 3. Verify that all production software is accurate w/ TK5.2.5. 4. Increase external CCode for all PGEs. 5. Resume production processing with March 98	Toolkit upgrade 5.2.5	done 8/23/99
18	7/15/99	Promote CERESlib (version 19990624) into Production	Accumulation of the following SCCR#'s: #148, #149, #150, #152, #153, 154 Impact: SS: 6,7,8,9,10. Mods to: ceres_time.f90, day_of_year(year,month,day), moa_io.f90, sfc_type_def.f90, fsw_type_def.f90, fsw_file.f90, tisa_grid_type_def.f90, num_hours_in_month(month, year), post_moa_file.f90, meta_util.f90	done 7/16/99

Table 1: Satellite: All

Item	Start Date/ Priority	Processing Request	Description	DAAC Verification
17	6/17/99	Promote CERESlib (version 19990606) into Production	modified modules: 1. meta_util.f90 2. ssf_meta.f90. Modified the ceres_versions.f90 file. Removed the hard-coded HDF-version number and replaced it with code to extract the version number from the Toolkit README file. (sccr 147)	done 6/18/99
16	4/30/99	Promote TK5.2.4 into Production, this is to be done prior to CER-PR3-12-99, Instrument Processing.	The new Instrument (SS1) delivery in Table 3, Item 12-99, requires TK5.2.4.	4/30/99
15	3/24/99	Promote CERESlib (version 19990311) into Production	Module sarb_params.f90 and crs_io.f90 updated, Readme sarb_params.READM and crs_io.README added. (sccr 133)	done 3/24/99
14	3/22/99	Promote CERESlib (version 19990304) into Production	Module tisa_grid_type_def.f90 modified. (sccr 130)	done 3/22/99
13	2/24/99	Promote CERESlib into Production	Version19990216, sccr#122 describes: (SCCR #117) qcheader.f90 -new format and new fields for qc header, (SCCR #118) ssf_typdef.f90 -include range update, (SCCR #119) ggeo.f90 ggeo_file.f90 -include overlap hours, (SCCR #121) grid_nest_routines.f90 border_test.f90, grid_1deg.f90, polar_flags.f90	done 3/16/99
12	1/14/99	Promote new DPREP Ver. 2 into Production. Process failed dataday 11/4/98.	DPREP has been upgraded.	1/14/99
11	11/25/98	Promote CERESlib into Production	ssf_typdef.f90, ssf_typdef.README(SCCR #110), solar_declination.f90(SCCR #111) Impact: ss4.4, 5.1, 9.2, 6.1, 7.1, 8, 10 (sccr 112)	cancelled 11/27/98
10	9/25/98	Promote CERESlib into Production	Corrected a bug in the HDFEOS_version() function in the ceres_versions.f90 module.(sccr 107)	done 9/28/98
9	9/21/98	Promote CERESlib into Production	sccr#=106 (sccr 101,102,103,104), Version=19980910	done 9/22/98
8	9/21/98	Promote TK5.2.3 into Production	Latest Toolkit Version	done 9/22/98

Table 1: Satellite: All

Item	Start Date/ Priority	Processing Request	Description	DAAC Verification
7	6/3/98	Promote CERESlib into Production	Modification documented in sccr 87, all subsequent SW deliveries must be compiled with this library.	Done 6/3/98
6	5/4/98	Promote CERESlib into Production.	Update post_moa_file.f90 in the dataproduct modules needed by Tisa_Gridding (sccr80)	Completed
5	4/29/98	Promote CERESlib into Production.	The moa_io and surfmap changes are needed at the DAAC by the Clouds subsystem (sccr78)	Completed
4	4/1/98	Promote CERESlib into Production.	WNchan_width values for each CERES instrument are being added to the ceres_constants module, see sccr64.	
3	3/13/98	Install Patches 1,2,3 to TK5.2.1. This installation should coincide with the delivery of SS6/9.	Patch #1 is for file closure, which is required by SS1 and SS4.1. Patch #2 is for HDFEOS, and patch #3 is for input pointer, which is required by SS9 where SS6/9 requires 744 input file names.	
2	3/5/98	Download UCTPole and Leapsec Ancillary TK files on Tues. and Thursday of each week, as are current from NRL. Process all Level Zero files as they are ingested from GSFC.	SS1 report 2/4/98: 'Ran tests using various utcpole.dat files to determine the error in predicted vs. actual utcpole data. Tests show that the difference for the 5 day predicted dataset is on the order of 1/100,000 of a degree.'	
1	2/2/98	Promote TK5.2.1 into Production	SCF check out completed.	

Special Processing Exceptions

Table 2: TRMM Processing Exceptions

Item	Date	Processors	DataDate Exception	Explanation
3 done 6/25/98	6/18/98 ~~**Priority 3**~~ ~~**6/18/98**~~	CER1.1P1	5/21-28/98	Remove all CER1.1P1 files for the DataDate Exceptions from local disk and from archives. Rerun these days with the new SS1 delivered SW, see CER-PR3-24, prior to CM integration. Reason: Correct runs made with simulated data (UTCPole)
2 done 6/25/98	6/18/98 ~~**Priority 2**~~ ~~**6/18/98**~~	CER1.1P1	4/23, 5/8, 5/23, 6/7, 6/23, 1998	Remove all CER1.1P1 files for the DataDate Exceptions from local disk and from archives. Rerun these days with the new SS1 delivered SW, see CER-PR3-23, prior to CM integration. Reason: Special processing for the Alongtrack Days.
1	5/11/98	Eliminate ALL PGEs except: CER4.1-4.1P1, CER4.1-4.2P1 Do Hrs{0..11}	Jan. 7-8, 1998	On Thur. May 7, 1998, at the ERBElike Working Group meeting, it was announced that all processing (and reprocessing) must omit the days of Jan 7 and 8, 1998. These days have the deep space calibration maneuvers which are not normal Earth viewing data.

CERES Production Requests

Priority 1 - Process Instrument Subsystem daily - to be followed by ERBElike processors.
TRMM-PFM: Validation Days in 1998 {Jan./5,12,19,26/, Apr./6,13,20,27/, July/6,13,20,27/, Oct./5,12,19,26/}
Note: Priorities will be determined at time of Production Request submission to the DAAC.

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
12/15/99 **Request:** Process Erbe-like, SS2, for Transient-Ops2 data. ***Description:*** *Instrument SS1 Processors corrected data flag for the radiance drop-outs*								
54-99	5	2.3P1	PFM	(PS2=>)	PS2=Transient-Ops2	same as 50-99		
53-99	4	2.2P2	PFM	(PS2=>) PS1=Transient-Ops2	PS2=Transient-Ops2	same as 50-99		
52-99	3	2.1P1	CERES		PS2=Transient-Ops2	Sept.1998. In 1999: Jan, May, June, July		
12/15/99 **Request:** Promote Instrument SS1 Subsystem into Production. ***Description:*** *1) Add new coefficients for Blackbody temperature conversions. 2) Update Instrument code to support Terra, 3) corrected data flag for the radiance drop-outs.*(sccr: 151, 175, 181)								
51-99	2	1.2P1	PFM	(PS1=>)	PS1=Transient-Ops2	same as 50-99		
50-99	1	1.1P1	PFM		PS1=Transient-Ops2	Sept.1,1998. In 1999: Jan. 19-22, May 17, 18, June 19, 21, 23, 25-30, July 1-5, 13-17		
11/18/99 **Request:** Promote: SS12, Regridmoa SW into production, using CERESlib (version 19991104). ***Description:*** *Test the higher resolution ECMWF meteorological data (sccr 169, 172)*								

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
49-99	1	12.1P1	CERES		PS12=ECMWF-GEOS2	1/98	1/98	done 11/22/99
11/3/99 **Request:** 1. Download the latest version of the ERBE-like QC files (CER_CQCI_$SS_$PS.yyyymmdd) for Jan, Feb, Apr, May, and Aug 1998 TRMM-PFM and place the files in $CERESHOME/erbelike/data/out_comp/data/inv. 2. cd to $CERESHOME/erbelike/bin. 3. For each of the files downloaded in step 1, enter "plot_qc $SS_$PS_$CC.yyyymmdd 1". 4. After all of the cumulative QC files (CER_CQCIM_$SS.yyyymm) have been regenerated, copy them over to /QA. Do not delete the CER_CQCIM files from the production account. ***Description:*** *need to fix several cumulative ERBE-like QC files ($CERESHOME/erbelike/Web/qc/inv/CER_CQCIM_$SS.yyyymm) that are missing information. The files were originially generated back in Sep-Oct 1998 before our code was set up to handle parallel jobs. A fix was made to the code once the problem was discovered, but we never regenerated the affected files.*								11/11/99 '_$CC' added to script call
48-99	fit in	plot_qc	PFM		PS2=Edition1	1/98 4/98 8/98	2/98 5/98 8/98	done 11/12/99
11/2/99 **Request:** Process the month of 1/98 through the TISA_avg SS7.1 processor. ***Description:*** *for the ST meeting, 12/99.*								
47-99	**5**	7.1.1P1	PFM	PS6=ValidationR4 PS11=Composite PS12=DAO-GEOS2	PS7_1=ValidationR4	1/98	1/98	done 11/11/99
11/2/99 **Request:** Process the month of 1/98 through the TISA_gridding SS6 processors. ***Description:*** *for the ST meeting, 12/99, to get TISA_avg results.*								
46-99	**4.3**	6.3P1	PFM	(PS6=>)	PS6=ValidationR4	1/98	1/98	done 11/10/99
45-99	**4.2**	6.2P1	PFM	(PS6=>)	PS6=ValidationR4	1/98	1/98	done 11/10/99
44-99	**4.1**	6.1P1	PFM	PS5=ValidationR4 PS12=DAO-GEOS2	PS6=ValidationR4	1/98	1/98	done 11/10/99
11/2/99 **Request:** Process the month of 1/98 through the SARB SS5 processor. ***Description:*** *for the ST meeting, 12/99, to get TISA results. The CERESlib and TK versions will be out of sync because the SW cannot be recompiled without a redelivery, not chosen at this time.*								
43-99	**3**	5.1P1	PFM	PS12=DAO-GEOS2 PS4_5=ValidationR4 PS4_0=NSIDC	PS5=ValidationR4	1/98	1/98	done 11/9/99

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
9/2/99 **Request:** Promote new Instrument (SS1) delivery into production. This delivery has been made to support MOSS3 End-to-End test in late 9/99. ***Description:*** *Set FM1 and FM2 Offset Coefficients to Zero for Launch and open up the Radiance Edit Limits to max values. Modify system to allow instrument specific edit limits for the maximum allowable standard deviation of samples in space look 1. Check for Moon view during space look 1, if visible, flag radiance bad Mark IESs bad if the Along Track Angle can not be calculated. Include tar file that contains files for the DAAC automatic production system. (sccr 151)*								
42-99		all	FM1 & FM2		PS1=MOSS3-ETE	see MOSS3 test plan	see MOSS3 test plan	done 10/22/99
8/27/99 **Request:** Due to error found in SS9 (Input Source) and PGE 10.1P1 script, stop all production until further notice. 8/16/99 **Request:** Promote SS10, TISA_Averaging to Production. ***Description:*** *Modify the inputs to the surface flux algorithms, Correct the percentages of land and ocean regions, Correct the calculation of the clear-sky LW for land, Modify the computation of the WN channel, Modify codes to average only for days with observations, Correct the clear-area fraction and cloud-area fraction web plots. (sccr 156)*								8/23/99: error found in script
41-99	**2**	10.1P1	PFM	PS9=ValidationR4 PS11=Composite PS12=DAO-GEOS2	PS10=ValidationR4	1/98 ~~skip:3/98~~	8/98	done 11/9/99
11/2/99 **Request:** Resume SS11 processing, include Jan. 98 ***Description:*** *1.Modify the meteosatb1.c file to filter out data records on input files if the record header contains an anomalous value for the number of scanlines in the record. 2. Adjust geolocation longitude calculation to be correct for the relocated METEO-5 satellite. (sccr 180) 10/8/99: Corrected a problem in the ggeo_recno_index() function. (sccr 167) 9/21/99: The code has been modified to handle satellite transition months,specifically June 1998 (METEO-6 -> METEO-7) and July 1998 (GOES-9-> GOES-10) (sccr 163)* 8/16/99 **Request:** Process SS11 PGEs for Feb., April-Aug. 98, wait on redelivery of METEOSAT data for March 98 processing.								redelivered: 9/21/99. 10/8/99, 11/2/99. On 8/24/99: METEO (3/98) data arrived
40-99	**1.9**	11.2P1	CERES	PS11_M=Composite	PS11=Composite	1/98 ~~skip:3/98~~	8/98	done 11/9/99
39-99	**1.8**	11.1P4	GMS-5		PS11_M=Composite	1/98 ~~skip:3/98~~	8/98	done 11/9/99
38-99	**1.7**	11.1P3	METEO-7		PS11_M=Composite	6/98	8/98	done 11/9/99
37-99	**1.6**	11.1P3	METEO-6		PS11_M=Composite	6/98		done 11/9/99
36-99	**1.5**	11.1P3	METEO-6		PS11_M=Composite	1/98 ~~skip:3/98~~	5/98	done 11/9/99
35-99	**1.4**	11.1P2	GOES-10		PS11_M=Composite	7/98	8/98	done 11/9/99

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
34-99	**1.3**	11.1P2	GOES-9		PS11_M=Composite	7/98		done 11/9/99
33-99	**1.2**	11.1P2	GOES-9		PS11_M=Composite	1/98 ~~skip:3/98~~	6/98	done 11/9/99
32-99	**1.1**	11.1P1	GOES-8		PS11_M=Composite	1/98 ~~skip:3/98~~	8/98	done 11/9/99
7/26/99 **Request:** Process CER2.1P1, and then CER2.2P1, using 'real snow', and CER2.3P1								
31-99	**12**	2.3P1	PFM	(PS2=>)	PS2=Transient-Ops	same as 30-99		done 8/5/99
30-99	**11**	2.2P2	PFM	(PS2=>) PS1=Edition1	PS2=Transient-Ops	Sept.1,1998. In 1999: Jan. 19-22, May 17, 18, June 19, 21, 23, 25-30		done 8/5/99
29-99	**10**	2.1P1	CERES		PS2=Transient-Ops	Sept.1998. In 1999: Jan, May, June		done 8/5/99
7/15/99 **Request:** Process CER2.1P1, and then CER2.2P1, using 'real snow', and CER2.3P1								
28-99	**3**	2.3P1	PFM	(PS2=>)	PS2=Transient-Ops	same as 27-99	same as 27-99	done 7/19/99
27-99	**2**	2.2P2	PFM	(PS2=>) PS1=Edition1	PS2=Transient-Ops	3/99	4/1/99	done 7/19/99
26-99	**1**	2.1P1	CERES		PS2=Transient-Ops	3/99	4/99	done 7/18/99

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
8/27/99 **Request:** Pull Requests: 23-99, 24-99, 25-99, until further notice, requested by developer, Nichele McKoy. Sybsystem will redeliver at a later date. Refer Archival Request Form, Item 5, for file instructions. ~~7/23/99~~, ~~7/15/99~~ **Request:** Promote Tisa_Gridding (SS9) into Production and process, after Item 20-99, whenever a CPU becomes available. **Description:** Corrected averaging TOA SW and Albedo. Added code to output the Column Averaged Relative Humidity read from the MOA product to the FSW product. All footprints that have a total overlap area percentage of less than 97 percent or greater than 101 percent are omitted from the averaging equations for cloud data. The Post-MOA Processor was modified to include 24 overlap hours: the last 12 hours of the previous month and the first 12 hours of the following month. Corrected with the atmospheric flux profile data to access the data from the CRS correctly. Previously accessed in reverse order. Corrected the routines used to identify the region to which a footprint belongs to use the colatitude and longitude at the surface instead of TOA. (sccr 155)								10/23/99 on-line 8/25/99 SW pull request, wait on new delivery ~~7/23/99:on-line~~ ~~7/15/99~~
25-99	**3.4**	9.4P1	PFM	(PS9=>)	PS9=ValidationR4	1/1/98	8/31/98	done 10/29/99 8/25/99 SW pulled
24-99	**3.3**	9.3P1	PFM	(PS9=>)	PS9=ValidationR4	1/1/98	8/31/98	done 10/29/99 8/25/99 SW pulled
23-99	**3.2**	9.2P1	PFM	PS4_5=ValidationR4 PS12=DAO-GEOS2	PS9=ValidationR4	1/1/98	8/31/98	done 10/29/99 8/25/99 SW pulled
22-99	**3.1**	9.1P1	CERES	PS12=DAO-GEOS2	PS9=ValidationR4	1/1/98	8/31/98	done 10/29/99 7/23/99:on-line ~~7/15/99:on-hold~~
7/23/99 **Request:** Due to the new delivery of SS4 (Items:17,18,19-99, dated: 7/23/99), we request that the external CCode number be increased by 1. (new CCode = 009006) (See: CERES Archive Request Form,Item 1.3, 1.4, for file instructions of data output products with CCode = 009005) 6/17/99 **Request:** Promote new Inversion (SS4.5) into Production and process after clouds PGEs/each hour. (Note: Do Not promote: SSFB to / QA)**Description:** Modified PCF generation script to work with Toolkit 5.2.4 and modified SSF test_suite comparison code to produce platform independent comparison data. Added Column averaged relative humidity to SSF footprint. Value placed in SSF-106, asp_ratio_mn for cloud layer 1, location. (sccr 140)								7/23/99:on-line ~~7/15/99:on-hold~~
21-99	**2.2**	4.5-6P1	PFM	(PS4_5=>)	PS4_5=ValidationR4	1/1/98	8/31/98	done 10/19/99 7/23/99:on-line ~~7/15/99:on-hold~~
20-99	**2.1**	4.5-6P1	PFM	PS4_1=ValidationR4 PS12=DAO-GEOS2	PS4_5=ValidationR4	1/1/98	8/31/98	done 10/19/99 7/23/99:on-line ~~7/15/99:on-hold~~

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
8/17/99 **Request:** Install the run script for CER4.1-4.2P1 that executes the S'COOL processing (sccr 158). Place script into production beginning with Datadate 3/98 and do NOT increase Internal CCode. 7/23/99 **Request:** Promote new Clouds (SS4 - sccr157) into Production and continue as described below. (See: CERES Archive Request Form, Items 1.1, 1.2, for file instructions of data output products with CCode = 012005) ~~6/17/99 **Request:** Promote new Clouds (SS4 - sccr144) into Production.~~ Process datadates: Jan. 98 - Aug. 98. First run Jan. 98, and wait for permission to continue to the rest of the data months. (Note: Do Not promote: EICE, ESNOW, and, ECVS to /QA.) ***Description:*** *Add calls to Toolkit executables PGS_PC_InitCom and PGS_PC_TernCom to the script Run.CER4.1-4.1P1. Correct TLim test portion of the CERES Cloud Mask to use the correct Pressure Level Temperature in determining the Cloud/No Cloud Threshold. Modify the CRH Start-up map to have correctly initialized values in the souther hemisphere. (sccr 157) Improved CRH Startup Maps for 0.6 mm albedo, 1.6 mm albedo, ratio of 1.6 mm to 0.6 mm ref, and 10.8 mm Brightness Temperature based on Version 4 VIRS data and Cloud Mask determination improvements. Improved algorithms for Correlated K profile derivation. Stowe Algorithm - Modifications to allow for negative retrievals. The following science changes were made to convolution: The limit on the aerosol optical depth was changed to -1.0 to 5.0. Reduce total surface area percentage to 100 when over 8 types. (sccr 144)*								8/17/99 script update, 7/23/99: EQCS, EQCDV set to 'S' (Support files) by mvm, IES fix in next delivery. 7/23/99:redelivered sccr157 ~~7/15/99:on-hold~~
19-99	**1.3**	4.1-4.2P1	PFM	(PS4_1=>)	PS4_1=ValidationR4	1/1/98	8/31/98	done 10/19/99 8/17/99 script update, effecting 3/98 - 8/98 datadate
18-99	**1.2**	4.1-4.4P1	PFM	PS1=Edition1 PS4_0=NSIDC PS12=DAO-GEOS2	PS4_1=ValidationR4	1/1/98	8/31/98	done 10/19/99
17-99	**1.1**	4.1-4.0P1	CERES		PS4_0=NSIDC	1/1/98	8/31/98	done 10/19/99
8/12/99	**Note: Production Request Form Format changed on 8/12/99 - all completed PR requests (below) were not impacted.**							
6/17/99	**Request:** Promote new Instrument (SS1) and ERBElike (SS2,3) subsystems into production and follow the set of instruction as defined in Items 13-99, 14-99, and 15-99 for the June 17-?? TRMM data.. ***Description:*** *SS1: Modification for Terra Ephemeris/Attitude files;1)Updated handle gaps in Terra Ephemeris/Attitude data.2)Replace Toolkit SetStart Time routine for Terra processing to allow start time other than 00:00:00.000000Z (sccr 146) SS2,3: Modified the Inversion code to have the average viewing zenith and relative azimuth angle values for a region set to default in EID-6 if any measurements used in the averaging for the region are not from crosstrack data. (sccr 141)*								
16-99	**1**			same as 13-99, 14-99, 15-99 respectively				done 6/18/99

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
5/18/99	**Request:** Process CER2.2P1, using composite snow, and CER2.3P1. Archive all output files in addition to following File Management Policy for all output file dispositions.							
15-99	**3**				PS2=Ed1-QC			done 5/20/99
5/18/99	**Request:** Process CER1.1P1, CER1.2P1 for the May 17-??, 1999 TRMM data with real ephemeris and attitude files and next day data. Follow File Management Policy for all output file dispositions. ***Description:*** *Wait for real ephemeris and attitude data and next day level 0 data for processing Instrument processors.*							
14-99	**2**				PS1=Edition1			done 5/20/99
5/18/99	**Request:** Process CER1.1P1 immediately after level zero files arrive on a special 'QC' type daily processing using simulated ephemeris and attitude files. BDS, BDSS, BDSD, BQCRP, BQCRPS, BINHS and BINEL files should be moved to /QA when processing completes, Do Not Archive files. Remove files from /QA when real ephemeris and attitude are used in normal processing. ***Description:*** *When the Instrument is turned back on (May.17-??, 1999), we would like a request for Instrument Only processing to be given to the DAAC to process that data immediately upon receipt.*							
13-99	**1**				PS1='Ed1-QC' RP: -pge Instrument_Only			done 5/20/99
4/29/99	**Request:** After Table 1, Item 16 is done (install TK5.2.4), Promote Instrument (SS1) delivery into Production. Reprocess Dec 27,1997 through Aug. 1998 datadates. ***Description:*** *1) Fixed code that writes out partial earth viewing footprints, 2) Modified Second time Constant restart algorithm, 3) Fixed code to compute valid radiance values of Solar Calibration BDSs, 4) Read one extra packet from the next day to provide spaceclamp information for count conversion of radiances in the last packet of the day, 5)Updated Count Conversion Coefficients for FM2, 6)Revised the spaceclamp algorithm to apply offsets to the raw counts that are used to calculate the space clamp, 7)Fixed code that evaluates flatness of space look 1.(sccr 135)*							
12-99	**1**				PS1='Edition1'			5/17/99
4/19/99	**Request:** Process CER12.1P1 for 2/99-8/99, see enclosed e-mail (Att-CER-PR3-11-99) for SMOBA/EPToms Ozone data substitution instructions. ***Description:*** *MOA Processing in preparation for new SSFs.*							
11-99	**1**				PS12='DAO-GEOS2'			done 4/23/99
4/8/99	**Request:** Promote SS10 in Production. Reprocess Jan. 98. ***Description:*** *Modified algorithm to add the computation of total-sky SW TOA flux.. Modified codes to correct the computation of total-sky LW TOA flux, total-sky and clear-sky albedos.*							

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
10-99	**1**				PS10='ValidationR3'			ascii-gen redelivered done 4/12/99
after Item: 8-99 completes	**Request:** Promote SS5 into Production. Reprocess Jan.98. This set of PGEs require CER-PR1-15 (CERESlib) ***Description:*** *1. Implemented new version of the Fu-Liou model that computes the window channel flux profiles 2. Implemented new constrainment algorithm that includes the window channel, along with constraining to the upper tropospheric relative humidity. 3. Corrected cloud area fraction adjustment distribution. (sccr 132)*							
9-99	**3**				PS5='ValidationR3' Input: PS4_5='ValidationR3' PS12='DAO-GEOS2'			done 3/31/99
	Request: Promote SS12 into Production. Reprocess Jan.98. ***Description:*** *The Column Average Relative Humidity value was calculated incorrectly.(sccr 136)*							
8-99	**1**	3/24/99			PS12='DAO-GEOS2'			done 3/24/99
~~3/22/99~~ after Item: 8-99 completes	**Request:** Promote Tisa-Gridding into Production. Reprocess Jan. 1998 dataMonth through SS9 PGEs. This set of PGEs require CER-PR1-14 (CERESlib) ***Description:*** *Corrected the algorithm to calculate the average surface type percentage for the hourbox, Corrected the cosine of the solar zenith angle. Corrected imager radiances on FSW. Updated the TISA Gridding software to interface with version 113 of the ssf_typdef module.(sccr127, 131)*							
7-99	**2**				PS9='ValidationR3' Input: PS4_5='ValidationR3' PS12='DAO-GEOS2'			done 3/29/99
3/15/99	**Request:** Promote Clouds and Inversion Processors into Production. Reprocess Jan. 1998 dataMonth using the input IES dataset with PS1='ValidationR3'. Use Version 4 VIRS data as input. A special script will be provided for hour 00 of dataDay Jan. 1, 1998. See enclosed attachment: Att-CER-PR3-6-99. ***Description:*** *Clouds: Use VIRS based directional models, Improved Correlated K profile derivation, Added Algorithm to determine Multi-layer Clouds, Improved Phase Determination Algorithm for VINT, &11 Cloud mask improvements. Convolution: Incorporated updated ssf_typdef. (sccr 125) Inversion: New ssf_typdef (#113), new HDF SSF format - 127 SDSs. (sccr 110, 113, 123)*							

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
6-99	**1**				PS4_1='ValidationR3' PS4_5='ValidationR3' Input: PS1='ValidationR3'			done 3/23/99
3/4/99	**Request:** Promote SS11 into Production. Reprocess Jan. 98. ***Description:*** *Addition of the GOES-8 raw data filtering algorithm. Added overlap hours from previous month and next month. (sccr 119, 124)*							
5-99	**2**				PS11='Composite'			done 3/6/99
2/24/99	**Request:** Promote SS12 into Production. Reprocess Jan.98. ***Description:*** *Modified code to replace default value in the MOA structure with an averaged SSM/I data value. Changes were made to correctly insert the SAGE climatology. The ASCII file and PCF generation scripts were updated. A script was added to clear the output files generates by the software. Supplied a pre-processor for NCEP Surface Flux files in GRIB format. Corrected the Column Average Relative Humidity calculations. (sccr 120)*							
4-99	**1**				PS12='DAO-GEOS2'			done 2/25/99
1/22/99	**Request:** Process CER2.2P1, using composite snow, and CER2.3P1. Archive all output files in addition to following File Management Policy (11-20-98) for all output file dispositions.							
3-99	**3**				PS2='Ed1-QC'			done 1/23/99
1/22/99	**Request:** Process CER1.1P1, CER1.2P1 for the Jan. 19-21 TRMM data with real ephemeris and attitude files and next day data. Follow File Management Policy (11-20-98) for all output file dispositions. ***Description:*** *Wait for real ephemeris and attitude data and next day level 0 data for processing Instrument processors.*							
2-99	**2**				PS1='Edition1'			done 1/22/99
1/19/99	**Request:** Process CER1.1P1 immediately after level zero files arrive on a special 'QC' type daily processing using simulated ephemeris and attitude files. BDS, BDSS, BDSD, BQCRP, BQCRPS, BINHS and BINEL files should be moved to /QA when processing completes, Do Not Archive files. Remove files from /QA when real ephemeris and attitude are used in normal processing. ***Description:*** *When the Instrument is turned back on (Jan.19-21), we would like a request for Instrument Only processing to be given to the DAAC to process that data immediately upon receipt.*							
1-99	**1**				PS1='Ed1-QC' RP: -pge Instrument_Only			done 1/22/99

Table 3: Production Request for CERES Instrument (INST) Processing

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
1998: 1-47	**See Production Request dated: 1/19/99**							

Note: Item numbering system has changed to include the last 2 digit year.